

WHAT IS CLAIMED IS:

1           1. A process for forming a pattern of fluorescent substance  
2        into the cell of a fluorescent substance display substrate, wherein a  
3        resin composition (A) layer, comprising an acrylic polymer (a) having a  
4        weight average molecular weight of 10000 to 300000 and an acid  
5        number of 80 to 250 mgKOH/g and a fluorescent substance (b), and a  
6        photosensitive resin composition (B) layer are formed inside the cell, and  
7        then they are exposed, developed and baked.

1           2. The process for forming a pattern of fluorescent  
2        substance of Claim 1, wherein a glass transition temperature Tg of the  
3        acrylic polymer (a) is below 30°C.

1           3. The process for forming a pattern of fluorescent  
2        substance of Claim 1, wherein the glass transition temperature Tg of the  
3        acrylic polymer (a) is not less than 30°C and the resin composition (A)  
4        contains an organic compound (c) having viscosity of 5-15000 mPa · sec  
5        at 20°C.

1           4. The process for forming a pattern of fluorescent  
2        substance of Claim 3, wherein the resin composition (A) contains an  
3        organic compound (c) having viscosity of 5-15000 mPa · sec at 20°C and  
4        a polymerization inhibitor (d).

1           5. The process for forming a pattern of fluorescent  
2        substance of Claim 3, wherein the organic compound (c) is a polyhydric

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3 alcohol compound.

1 6. The process for forming a pattern of fluorescent  
2 substance of Claim 3, wherein the organic compound (c) is a compound  
3 containing at least one ethylenically unsaturated group, and the resin  
4 composition (A) contains a polymerization inhibitor (d).

1 7. The process for forming a pattern of fluorescent  
2 substance of Claim 1, wherein the resin composition (A) contains a photo  
3 polymerization initiator and/or a photo polymerization initiator  
4 assistant (e).

1 8. The process for forming a pattern of fluorescent  
2 substance of Claim 1, wherein the photosensitive resin composition (B)  
3 layer is formed in the cell after the resin composition (A) layer is formed.

1 9. A plasma display panel, wherein a pattern of fluorescent  
2 substance is formed in the cell by the process for forming a pattern of  
3 fluorescent substance of Claim 1.

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